

From the INTERNATIONAL SEARCHING AUTHORITY					
To: GREGORY N. CLEMENTS DOUGHERTY & CLEMENTS LLP 6230 FAIRVIEW ROAD, SUITE 400 CHARLOTTE, NC 28210	PCT  NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of Mailing (day/month/year). 0 1 MAY 71117				
Applicant's or agent's file reference 2001/13 PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US02/00153	International filing date (day/month/year)  03 January 2002 (03.01.2002)				
Applicant ARTEVA TECHNOLOGIES S.A.R.L.					
1. The applicant is hereby notified that the international search report has been established and is transmitted herewith.  Filing of amendments and statement under Article 19:					
The applicant is entitled, if he so wishes, to amend the cla  When? The time limit for filing such amendments is international search report.	normally two months from the date of transmittal of the				
Where? Directly to the International Bureau of WIPO					
1211 Geneva 20, Switzerland, Facsimile No.  For more detailed instructions, see the notes on the a					
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.					
3. With regard to the protest against payment of (an) addit	ional fee(s) under Rule 40.2, the applicant is notified that:				
	en transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.				
L-1	plicant will be notified as soon as a decition is made.				
4. Reminders  Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.					
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.					
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits. Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.					
Name and mailing address of the ISA/US	Authorized officer				
Commissioner for Patents Box PCT	Leo B. Tentoni Jean Progra				
Washington, D.C. 20231 Facsimile No. (703)305-3230	Leo B. Tentoni  Jean Proctor  Paralegal S. J. List  Telephone No. (703) 308-0661				

Washington, D.C. 20231
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Form PCT/ISA/220 (April 2002)

Telephone No. (703) 308-0661



## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	olicant's or agent's file referential PCT	FOR FURTHER ACTION  see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applica item 5 below.		orm PCT/ISA/220) as well as, where applicable.		
	rnational application No. I/US02/00153	International filing date (a 03 January 2002 (03.01.2	day/month/year)	(Earliest) Priority Date (day/month/year)		
	licant FEVA TECHNOLOGIES S.A	A.R.L.				
acco	international search report	has been prepared by this Internative is being transmitted to the International consists of a total of sheets.	ational Bureau.	ithority and is transmitted to the applicant		
1.	Basis of the Report					
	a. With regard to the lar	nguage, the international search was vas filed, unless otherwise indicated	carried out on the bunder this item.	pasis of the international application in the		
ŧ	b. With regard to any nu	I(b)).	ce disclosed in the i	nternational application furnished to this nternational application, the international		
	contained in the inte	ernational application in written form	ı <b>.</b>			
	filed together with t	he international application in compu	iter readable form.			
	i 1	atly to this Authority in written form.				
	furnished subsequently to this Authority in computer readable form.					
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.					
	the statement that the been furnished.	e information recorded in computer i	readable form is ide	entical to the written sequence listing has		
2.	Certain claims were	e found unsearchable (See Box I).				
3.		s lacking (See Box II).				
4.	With regard to the title,					
	K_3	as submitted by the applicant.				
Please	the text has been estate See Continuation Sheet	ablished by this Authority to read as	follows:			
5.	With regard to the abstract,					
[	the text is approved a	as submitted by the applicant.				
[	the text has been esta within one month fro	ablished, according to Rule 38.2(b), low the date of mailing of this internal	by this Authority as tional search report	it appears in Box III. The applicant may, submit comments to this Authority.		
6. 1	The figure of the drawings to	be published with the abstract is Fig	gure No. 1	·		
ٳٞ	as suggested by the a	pplicant.	_	None of the figures		
Į	because the applicant	failed to suggest a figure.		_		
[	because this figure be	etter characterizes the invention.				





International application No.

PCT/US02/00153

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

## **NEW ABSTRACT**

The present invention relates to the combination of a tension gate (18) and an air shield (24) in the relax zone of a fiber production process. The combination provides a synergistic effect over an air shield (24) alone, or a tension gate (18) alone, or the added effect of both a tension gate (18) and an air shield (24). The air shield (24) is a plate-like structure with or without perforations. The air shield plates (26,28) are placed in close proximity to a pair of rolls (20,22) following the tension gate (18). The plates (26,28) are positioned inside of the threadline between the pair of rolls (20,22). The tension gate (18) can be one or more air drag devices, one or more liquid drag devices, or one or more solid surface contact devices, or a combination of any of the above. The apparatus and the process for using the apparatus is disclosed and claimed.



International application No.

PCT/US02/00153

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : D01D 10/00  US CL : 264/342RE; 425/446; 28/247, 271  According to International Patent Classification (IPC) or to both respectively.	national electification and IDC						
B. FIELDS SEARCHED	national Classification and IPC						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 264/342RE; 425/446; 28/247, 271							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category * Citation of document, with indication, where	appropriate, of the relevant passages Relevant to claim No.						
A US 5,240,667 A (ANDREWS, JR. et al) 31 Augus	1 1993 (31.08.1993). 1-29						
Further documents are listed in the continuation of Box C.	See patent family annex.						
Special categories of cited documents:	"T" later document published after the international filing date or priority						
"A" document defining the general state of the art which is not considered to be of particular relevance	date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be						
"E" earlier application or patent published on or after the international filing date	considered novel or cannot be considered to involve an inventive step when the document is taken alone						
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is						
"O" document referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art						
'P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family						
Date of the actual completion of the international search D5 April 2002 (05.04.2002)	Date of mailing of the international search report 1 MAY 2002						
Name and mailing address of the ISA/US	Authorized officer						
Commissioner of Patents and Trademarks Box PCT	Leo B. Tentoni Jean Proctor Paralegal Specialist						
Washington, D.C. 20231 Paralegal Specification Paralegal Paralegal Specification Paralegal Specification Paralegal P							





International application No.

PCT/US02/00153

Continuation of Item 4 of the first sheet: Title is too long (PCT Rule 4.3).									
The new title is: YARN MAKING PROCESS AND APPARATUS									
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